

“FACS by Numbers”
Strategies and Activities for Incorporating Geometry into the FACS Classroom

Human Services Cluster

Family and Consumer Sciences POS

Description of Project: FACS By Numbers introduces students to the tools, techniques, art and history of quilting. As students learn to cut and measure with precision, they apply many of the theories of basic geometry. Students can create an entire sampler quilt of twelve blocks or small projects requiring only one or two blocks. Each quilt block is a stand-alone lesson in geometry and basic sewing.

Resource Highlights:

Equipping the FACS Classroom for Quilting

Modern Quilting Techniques

Geometry of Quilting

FACS By Numbers Sampler Quilt—12 Quilt Blocks each of which is a stand-alone Lesson in Quilting and Geometry

Digital Quilt Design and Calculations

Selecting and Coordinating Fabrics for Quilting

Evaluation and Exercises in Basic Geometry

Resources for Using Quilting to Connect your FACS Program to Your Community

Performance Indicator: Skill Attainment; Academic Attainment—Reading/ Writing/Language Arts and Geometry.

Measurement: Success will be measured by the End of Course CTE evaluations. Data from EOC Exams will be used to determine if this project improves the academic attainment of the CTE students in the participating schools.

Required / Permissive Uses of Funds:

- Integration of academic and CTE skills
- Provide activities to prepare special populations who are enrolled in CTE
- Support for family and consumer sciences programs
- Initiate, improve, expand, and modernize quality career and technical education programs

Expenditures Allowed:

Curriculum Materials: *“FACS by Numbers-Strategies and Activities for Incorporation Geometry into the FACS Classroom”*

www.freshfacs.com

Estimated Project Total (for one teacher/program): \$60.00